L Number	Hits	Search Text	DB	Time stamp
1	886	29/606.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/23 17:37
2	471	29/606.ccls. and coil	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/23 17:37
3	2	29/606.ccls. and coil and core and dicing	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/23 17:37
4	8	("4268003" | "5307557" | "5551146" | "5767759" | "5903207" | "6063321" | "6189204" | "6242995").PN.	USPAT	2002/10/23 17:38
5	20	("2298275" | "3196523" | "3259862" | "3323200" | "3367816" | "3609833" | "3659336" | "3670406" | "3684993" | "3689981" | "3811045" | "4516103" | "4621251" | "4696100" | "4785527" | "5191701" | "5262745" | "5351167" | "5572788" | "5692290").PN.	USPAT	2002/10/23 17:39
-	77	transducer and coil and core and dicing	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/23 17:37
-	77	transducer and coil and core and dicing	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/23 16:29
-	61	transducer and coil and insulation and dicing	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/23 16:25
-	20	transducer and coil and insulation and dicing and 29/$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/23 16:26
-	13	transducer and coil near wound and dicing	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/23 16:27

		0	20020142496.URPN.	USPAT	2002/10/23 16:28
-		0	" Coil and clamp for variable reluctance" and transducer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/23 16:30
-		0	Coil and clamp and "variable reluctance" and transducer and 324/$.ccls. and 336/$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/23 16:30
-		70	Coil and clamp and "variable reluctance" and transducer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/23 16:38
-		35	("3416015" | "3482126" | "3492615" | "3495107" | "4351653" | "4493753" | "4551157" | "4563251" | "4661212" | "4677332" | "4693791" | "4694548" | "4698285" | "4705605" | "4726936" | "4738010" | "4744863" | "4745813" | "4784935" | "4797211" | "4801830" | "4853669" | "4872888" | "4897360" | "4990827" | "4996082" | "5013693" | "5013954" | "5054522" | "5063344" | "5113100" | "5191251" | "5216310" | "5252881" | "5331236").PN.	USPAT	2002/10/23 16:32
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-		8	("3543145" | "3654549" | "3756081" | "4121185" | "4350954" | "4623840" | "4667158" | "4813435").PN.	USPAT	2002/10/23 16:37
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-		0	Coil and clamp and "variable reluctance" and "forming window"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/23 16:39
-		0	Coil and clamp and "variable reluctance" and "forming opening"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/23 16:39

-	64	Coil and "variable reluctance" and window and opening	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/23 16:41
-	4	("3165731" | "3171104" | "3619570" | "3626160").PN.	USPAT	2002/10/23 16:41
-	1	Coil and "variable reluctance" and 340/870.33.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/23 16:42
-	3	Coil and "variable reluctance" and 340/870.35.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/23 16:42
-	31	Coil and "variable reluctance" and 29/$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/23 16:44
-	8	Coil and "variable reluctance" and transducer and 29/$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/23 16:44
-	365	Coil and "variable reluctance" and transducer and (Arms et al). inv.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/23 16:48
-	2	5777467.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/23 17:15
-	2	4759120.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/23 17:19
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TITLE: Method of manufacturing inductor

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ART-UNIT: 379

PRIMARY-EXAMINER: Young; Lee

ASSISTANT-EXAMINER: Trinh; Minh

ABSTRACT:

A method of manufacturing a bead inductor prevents deformation of a metal
coil or dislocation of the axis position of the metal coil

caused by injection
pressure at the time of injecting a molten resin material
from a gate. A **coil**
is fitted onto a **coil** supporting pin provided on a first
lower mold used for
injection molding in a cavity of the mold such that the
inner periphery of the
coil is in close contact with the **coil** supporting pin. A
molten, resin
material is injected into the cavity. Then, the **coil**
supporting pin and the
first lower mold are removed from the molded product, and a
second lower mold
without a **coil** supporting pin is provided for replacing the
first lower mold.
A molten resin material is injected into the space which
had been occupied by
the **coil** supporting pin. After removing the hardened resin
molded product from
the mold for injection molding, the end parts of the **coil**
are cut so as to be
exposed.

20 Claims, 21 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 11